

AD _____

Award Number: W81XWH-07-1-0001

TITLE: Alaska Native Parkinson's Disease Registry

PRINCIPAL INVESTIGATOR: Caroline M. Tanner, M.D.

CONTRACTING ORGANIZATION: Parkinson's Institute
Sunnyvale, CA 94085-2934

REPORT DATE: July 2012

TYPE OF REPORT: Annual

PREPARED FOR: U.S. Army Medical Research and Materiel Command
Fort Detrick, Maryland 21702-5012

DISTRIBUTION STATEMENT: Approved for public release; distribution unlimited

The views, opinions and/or findings contained in this report are those of the author(s) and should not be construed as an official Department of the Army position, policy or decision unless so designated by other documentation.

REPORT DOCUMENTATION PAGE				<i>Form Approved</i> OMB No. 0704-0188	
Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing this collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0704-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. PLEASE DO NOT RETURN YOUR FORM TO THE ABOVE ADDRESS.					
1. REPORT DATE (DD-MM-YYYY) July 2012		2. REPORT TYPE Annual		3. DATES COVERED (From - To) 23 June 2011 - 22 June 2012	
4. TITLE AND SUBTITLE Alaska Native Parkinson's Disease Registry				5a. CONTRACT NUMBER	
				5b. GRANT NUMBER W81XWH-07-1-0001	
				5c. PROGRAM ELEMENT NUMBER	
6. AUTHOR(S) Caroline M. Tanner, M.D. E-Mail: ctanner@theipi.org				5d. PROJECT NUMBER	
				5e. TASK NUMBER	
				5f. WORK UNIT NUMBER	
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) Parkinson's Institute Sunnyvale, CA 94085-2934				8. PERFORMING ORGANIZATION REPORT NUMBER	
9. SPONSORING / MONITORING AGENCY NAME(S) AND ADDRESS(ES) U.S. Army Medical Research and Materiel Command Fort Detrick, Maryland 21702-5012				10. SPONSOR/MONITOR'S ACRONYM(S)	
				11. SPONSOR/MONITOR'S REPORT NUMBER(S)	
12. DISTRIBUTION / AVAILABILITY STATEMENT Approved for Public Release; Distribution Unlimited					
13. SUPPLEMENTARY NOTES					
14. ABSTRACT This registry initiates a program of epidemiological assessments of PS among Alaska Native people to study the natural history and clinical management of PS, and establishes a database of Alaska native people with PS for public health, research and educational purposes. As feasible, the prevalence of PS in Alaska Native people may be estimated as well. This registry not only would facilitate future research into PS etiology, but also guide health care planning and community education efforts in this population. The proposal takes advantage of a case control study of PS that is ongoing in the same population. The registry was designed in two phases. Phase 1 is a developmental period and is well underway at this time. During this phase, we established the data collection and dissemination protocols and a surveillance protocol received IRB approval in Alaska but is pending approval of the Parkinson's Institute IRB. The electronic registry database is complete and a pilot project in Anchorage will be initiated pending final regulatory approvals. Phase 2 has not yet begun. It is a period of educational outreach and active statewide data collection on prevalent and incident cases of PS. After Phase 2 ends, the registry will be sustained through the Alaska Native Medical Center.					
15. SUBJECT TERMS Alaska Native; Parkinson's disease; Registry; Etiology; Epidemiology; Ascertainment					
16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT UU	18. NUMBER OF PAGES 8	19a. NAME OF RESPONSIBLE PERSON USAMRMC
a. REPORT U	b. ABSTRACT U	c. THIS PAGE U			19b. TELEPHONE NUMBER (include area code)

Table of Contents

	<u>Page</u>
Introduction.....	4
Body.....	4
Key Research Accomplishments.....	7
Reportable Outcomes.....	7
Conclusion.....	7
References.....	7
Appendices.....	8

A. Introduction

Parkinsonism (PS) is a syndrome characterized by tremor, rigidity, slowness of movement, and problems with walking and balance. Parkinson's disease is the most common form of PS, accounting for about 1% of the U.S. population over age 50 years. Little information is available about trends in PS, particularly in Alaska Native people.

This registry initiates a program of epidemiological assessments of PS among Alaska Native people to study the natural history and clinical management of PS, and establishes a database of Alaska Native people with PS for public health, research and educational purposes. As feasible, the prevalence of PS in Alaska Native people may be estimated as well. This registry will not only facilitate future research into PS etiology, but will also guide health care planning and community education efforts in this population. The proposal takes advantage of a case control study of PS that is commencing in the same population.

The registry is designed in two phases. Phase 1 is a developmental period that is currently ongoing. During this phase, data collection and dissemination protocols were established, necessary approvals for the registry are being obtained, and a pilot project in Anchorage will be initiated following all regulatory approvals. Phase 2 is a period of educational outreach and active statewide data collection on prevalent and incident cases of PS.

B. Body

A transfer of the registry project from the AK Native Tribal Health Consortium to the Parkinson's Institute was initiated June 23, 2011 and finalized August 25, 2011. The aims of this project are:

Specific Aim 1: Identify cases of parkinsonism among Alaska Native people and populate a secure electronic registry database.

Specific Aim 2: Provide education on parkinsonism and its treatment to primary care physicians and other health care providers.

SCOPE OF WORK

The funding provides personnel and travel support to initiate and populate the registry in Anchorage and regions outside of Anchorage.

Data collection and registry population will be initiated in Anchorage once all regulatory approvals for Anchorage are obtained. The work underway to initiate the registry in Anchorage and regions outside of Anchorage is as follows:

Specific Aim 1: Identify cases of parkinsonism among Alaska Native people and populate a secure electronic registry database. To achieve this aim in a) Anchorage and b) regions outside of Anchorage, the following tasks will be accomplished.

a) Population of registry database in Anchorage

Task 1 – Obtain and submit to the AK Area Institutional Review Board (AAIRB) the SouthCentral Foundation (SCF) privacy consult approval. This is the last known contingency to meet the AAIRB approval requirements.

Task 2—Obtain AAIRB approval for the registry surveillance protocol.

Task 3 - Submit the AAIRB approved surveillance protocol to the Western Institutional Review Board, the IRB for the Parkinson's Institute, for approval.

Task 4– Submit all approval documents to initiate the registry in Anchorage to the U.S. Army Medical Research and Materiel Command, Office of Research Protections, Human Research Protection Office.

Milestone: Fulfill the remaining regulatory requirements to initiate population of the registry in the Anchorage service unit. **Status:** Additional funds were needed to ensure an efficient transfer of study leadership from the AK Native Tribal Health Consortium to the Parkinson's Institute, and to support associated personnel funding during the last stages of the award. That effort was finalized October 28, 2011 when additional funding was awarded. Effort then switched to the development of an updated surveillance protocol that harmonized the contingencies and proposed modifications requested by each of the AAIRB, ANTCH and SCF privacy officers. A "clean" harmonized surveillance protocol was submitted and approved by the AAIRB. The protocol is currently under review by Western Institutional Review Board, the IRB providing oversight for the Parkinson's Institute coordination of the project. Upon approval by Western Institutional Review Board, all approval documents will be submitted to the U.S. Army Medical Research and Materiel Command, Office of Research Protections, Human Research Protection Office. Upon approval, we will implement population of the registry in the Anchorage service unit.

b) Population of registry database in regions outside of Anchorage

Task 1 – Prepare written requests for approval to initiate the registry to regional tribal boards that regulate research outside of Anchorage.

Milestone: Submit regional tribal board requests. **Status:** This activity is pending completion of tasks 1-4 in Anchorage outlined above.

Task 2 – Travel to each region outside of Anchorage to conduct an in-person presentation describing the registry project to the convened tribal board reviewing the project, or participate in the convened tribal board meetings via conference call. Once approval is obtained, meet annual reporting requirements as required by each

region. If approval is not initially obtained, address concerns and submit modifications/clarifications until approval is obtained.

Milestone: Obtain approval from tribal boards to populate the registry in regions outside of Anchorage. **Status:** While working on all necessary regulatory and privacy approvals in Anchorage, we continue to have ongoing discussions with medical staff and representatives of the statewide tribal boards to familiarize them with the registry project. In order to maximize cost-effectiveness, this effort is spearheaded by co-investigator Dr. Brian Trimble during his routine statewide neurology field visits to regional clinics.

Task 3 – Travel to rural and hub clinics to abstract medical records and populate the registry with data from regions outside of Anchorage.

Milestone: Initiate travel for data collection to regions outside of Anchorage. **Status:** This activity is pending tasks outlined above.

Task 4 – Prepare registry data from Anchorage and regions outside of Anchorage for dissemination and publication.

Milestone: Registry data will be prepared for dissemination and publication for Anchorage and regions outside of Anchorage. **Status:** This activity is pending tasks outlined above.

Task 5 – Submit all publication proposals to the Anchorage based review committee and regional tribal boards outside of Anchorage for approval to publically disseminate summaries and/or findings.

Milestone: Proposals for public dissemination of registry data summaries and/or findings will be approved in Anchorage and regions outside of Anchorage. **Status:** This activity is pending tasks outlined above.

Task 6 – Submit approved registry findings and manuscripts to tribal organizations, conferences and journals for publication.

Milestone: Dissemination and publication of approved registry findings from Anchorage and regions outside of Anchorage. **Status:** This activity is pending tasks outlined above.

Specific Aim 2: Provide education on parkinsonism and its treatment to primary care physicians and other health care providers.

Task 1: Leverage the time spent in Anchorage and the regions while obtaining approvals and abstracting data by presenting medical education seminars to health care providers.

Milestone: Investigators will present Parkinson's disease-related education seminars in each of the regional clinics and at the Alaska Native Medical Center in Anchorage.

Status: General Parkinson's disease educational presentations and presentations qualifying for Continuing Medical Education credits have been presented and will continue during the Neurology field clinic visits and at Anchorage facilities.

C. Key Research Accomplishments

- Revisions to the period of performance through May 2014, modifications to the project aims and statement of work, and a transfer of the project award from Alaska Native Tribal Health Consortium to the Parkinson's Institute was finalized August 25, 2011.
- Secured continuation funding needed to ensure an efficient transfer of study leadership and to support personnel during the last stages of the award. This effort was finalized October 28, 2011 when additional funding was awarded.
- An updated surveillance protocol was submitted and approved by the AAIRB.
- The approved surveillance protocol was submitted to Western Institutional Review board. Approval is pending.
- Investigators presented an educational seminar to the Elder Program staff and attendees in Anchorage.

D. Reportable Outcomes

While many milestones of this project were met under the leadership of the Alaska Native Tribal health Consortium, the Parkinson's Institute will now lead the effort in obtaining approvals necessary to begin data collection and population of the registry database. Until this has been accomplished and statewide data has been collected, we will not have reportable outcomes.

E. Conclusions

This project is well underway. We have encountered challenges in determining the most appropriate and efficient course for satisfying the regulatory needs for this project. Despite these significant delays, we have succeeded in developing the surveillance database, and we have made significant progress toward obtaining regulatory approval. We hope to obtain all regulatory approvals in the coming months to allow us to initiate database population in Anchorage, and subsequently in regional sites on a continuing basis as individual tribal board approvals are received. Following the completion of statewide data collection and analysis, we will summarize and report scientific data pursuant to study aims and deliverables.

F. References

None

G. Appendices - Alaska Native PS Registry IRBs and Tribal Boards

Table 1. Institutional Review Boards

Institution	Review Board	Status
Alaska Native Medical Center	AK Area IRB	Approved
Parkinson's Institute	Western Institutional Review Board (WIRB)	Submitted
US Army Medical Research and Materiel Command	Office of Research Protections	Submission pending

Anchorage basin Tribal Board submissions completed:

1. Southcentral Foundation (SCF) (Anchorage)
2. Alaska Native Tribal Health Consortium (ANTHC) (Anchorage)

Regional Tribal board submissions pending in the following regions:

1. Southeast Alaska Regional Health Corp
2. Metlakatla Indian Community
3. Ketchikan Indian Corp
4. Tanana Chiefs Conference
5. Arctic Slope Native Assoc
6. Maniilaq Association
7. Norton Sound Health Corp
8. Yukon-Kuskokwim Health Corp
9. Bristol Bay Area Health Corp
10. Kodiak Area Native Assoc